

DEVICE FOR MEASURING AND/OR CHECKING THE DISTANCE BETWEEN A SHEAR BAR AND A CHOPPING KNIFE

Abstract of the Disclosure

A crop chopping arrangement for a forage harvester includes a shearbar mounted adjacent a path swept by chopping knives of a chopper drum and being selectively adjustable toward and away from said path so as to adjust the distance between the shearbar and knives as they pass by the shearbar. An arrangement for measuring and/or checking the distance between the shearbar and the knives includes a vibration sensor located to measure the mechanical vibrations in the shearbar produced by the moving knives, and an electronic evaluation circuit. The evaluation circuit is operable for performing a frequency analysis of the signal provided by the vibration sensor so as to derive information indicative of the distance between the shearbar and knives.

Assignment

The entire right, title and interest in and to this application and all subject matter disclosed and/or claimed therein, including any and all divisions, continuations, reissues, etc., thereof are, effective as of the date of execution of this application, assigned, transferred, sold and set over by the applicant(s) named herein to Deere & Company, a Delaware corporation having offices at Moline, Illinois 61265, U.S.A., together with all rights to file, and to claim priorities in connection with, corresponding patent applications in any and all foreign countries in the name of Deere & Company or otherwise.